

LISTing Newsletter

Newsletter of the Long Island Sinclair/Timex Users Group
(Incorporating N.Y.T.S.E.)



April ISSUE
Next Meeting
April 18 1993



SPECIAL EVENT

SIR CLIVE SINCLAIR TO LECTURE AT
L.I.S.T. MEETING. SEE PAGE 2
FOR MORE INFORMATION ABOUT THIS
HISTORIC EVENT.



Listing Policy

Annual Dues...\$ 16.00

One "sample" copy sent upon receipt of a large SASE.
Copies provided on EXCHANGE BASIS with other bona fide user groups.
LISTing is published monthly except July and August by LIST (Long
Island Sinclair Timex) Group, a non profit user group.

We are always looking for articles, programs, reviews, etc. to keep
our members informed and entertained. You maintain full copyright.

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 LIST OFFICERS

 PRES. HARVEY RAIT
 TRES. ROBERT MALLOY
 COR. SEC. JOHN PAZMINO
 EDITOR. FRED STERN
 LIBR. TOM SKAPINSKI

PLEASE SEND INQUIRIES TO:
 LIST
 MR. HARVEY RAIT
 5 PERI LANE
 VALLEY STREAM, N.Y. 11581

PLEASE SEND SUBMISSIONS TO:
 LISTING
 MR. FREDERIC STERN
 P.O. BOX 254
 HOLBROOK, N.Y. 11741

NYTSE

 NYTSE MEETS THE THIRD MONDAY IN
 THE MONTH AT:
 MISS KIMS RESTAURANT
 PARK AVENUE SOUTH
 BETWEEN 21 ST. AND 22 ST.
 MEETINGS START 7:30 PM.

COMING EVENTS:

 APR. 18, 1993 LIST MEETING.
 APR. 19, 1993 NYTSE MEETING

 SPECIAL NOTICE

THE NEXT MEETING WILL BE HELD AT
 THE ICE CREAM DISPENSARY
 (HARVEY'S STORE)
 334 DOGWOOD AVENUE
 FRANKLIN SQUARE, N.Y.
 TEL: 516-486-1090



DIRECTIONS: SOUTHERN STATE PKWY
 TO EXIT 17 NORTH (HEMPSTEAD AVE)
 GO TO FIRST TRAFFIC LIGHT,
 LEFT TURN ON TO CORNWALL,
 NEXT TRAFFIC LIGHT, BEAR RIGHT
 ON TO DOGWOOD AVENUE. GO 1 MILE
 TO THE ICE CREAM DISPENSARY, IN
 A SMALL SHOPPING CENTER ON THE
 LEFT SIDE OF THE ROAD.

MEETING MINUTES

 REPORTED BY: FRED STERN
 MAR. 21, 1993

 HARVEY CALLED THE MEETING TO
 ORDER AT 2:00PM.

WE RECEIVED 3 RENEWALS AND 2
 INTERESTING CORRESPONDENCE.
 1. PRISM P.D (PAGE 6) IS SELLING
 SOFTWARE FOR THE QL.
 2. DOCTOR DARK (PAGE 9) FROM
 SCOTLAND WANTS TO EXCHANGE PRO-
 GRAMS AND ACQUIRE A TIMEX/SINCL-
 AIR TS2068.
 THESE LETTERS FROM OVERSEAS ARE
 EVIDENT THAT SINCLAIR COMPUTERS
 ARE STILL ACTIVE IN OTHER PARTS
 OF THE WORLD.

THE MIRACLE SYSTEMS DEMONSTRATION
 WILL BE HELD ON JUNE 5,
 1993 IN NEWPORT, RHODE ISLAND.
 LIST TRIED VERY HARD TO HAVE
 THIS EVENT HELD IN NEW YORK, BUT
 DO TO LACK OF TIME, AND FINAN-
 CIAL CONSIDERATIONS IT COULD NOT
 BE MADE POSSIBLE. SEE PAGES 4
 AND 5 FOR FURTHER DETAILS.

THE TRENTON COMPUTERFEST WILL
 BE HELD APRIL 16 AND 17.

OTHER BUSINESS

 THIS, OUR FIRST MEETING AT
 HARVEY'S STORE WAS INTERESTING
 TO SAY THE LEAST. MIKE STERN
 BROUGHT A TS1000 TO GIVE A DE-
 MONSTRATION OF A GAME PROGRAM
 HE WROTE, BUT DO TO TAPE RECORD-
 ER FAILURE THE DEMO WILL BE AT
 THE NEXT MEETING.

NEXT MEETING WILL ALSO HAVE A
 DEMONSTRATION OF AN ITALIAN ZX81
 EMULATOR FOR THE QL.

A ROUNDTABLE DISCUSSION WAS HELD
 ON HOW TO USE A TS1000 TO RE-
 CORD AND ANNOUNCE THE RESULTS
 OF A CUBSCOUT PINE WOOD DERBY,
 AND PROGRAMS AND EMULATORS TO
 USE ZX81 PROGRAMS ON THE TS2068.

CLASSIFIEDS

 THIS CLASSIFIED SECTION IS
 AVAILABLE TO ALL LIST MEMBERS
 FREE OF CHARGE.
 THE ONLY RESTRICTION IS THAT
 IT IS TO BE USED ONLY FOR THE
 SEEKING, SELLING OR SWAPPING
 OF SINCLAIR, TIMEX OR MICROACE
 COMPUTER EQUIPMENT, PERIPHERALS
 AND SOFTWARE.
 LISTING, LIST, AND ITS OFFICERS
 DO NOT ENDORSE, WARRANTY, OR
 GUARANTEE ANY OF THE ITEMS
 LISTED IN THIS CLASSIFIED
 SECTION

 THE FOLLOWING PUBLICATIONS ARE
 AVAILABLE ONLY THROUGH LIST:

ZX-81/TS1000 TECHNICAL TIDBITS
 TECHNICAL TIDBITS PART II
 SAVINGS AND LOAD OF THE TIMEX
 COMPUTER
 \$4.00 EACH.

I HAVE THE FOLLOWING EQUIPMENT
 FOR SALE: TS1000, (2) TS1016
 RAM PACKS, TS2050 MODEM, TS1000
 PROGRAMS, OTHER PERIPHERALS.
 MR. MICHAEL BURNS
 257 SANFORD ST.
 ROCHESTER, N.Y. 14620
 TEL. 716-442-3142

A FINAL WORD

 MY NAME IS FRED STERN AND I AM
 THE EDITOR OF THIS EDITION OF
 LISTING.

I AM SURE YOU ALL WANT MORE
 DETAILS ABOUT THE ANNOUNCEMENT
 ON THE COVER, SEE THE BOTTOM OF
 PAGE 4.

SPECIAL THANKS TO TOM SKAPINSKI
 AND BOB GILDER FOR THEIR HELP
 AND ASSISTANCE.

QL CORNER

I would like to present some QL tips that I find useful when programming or probing about a QL for repair.

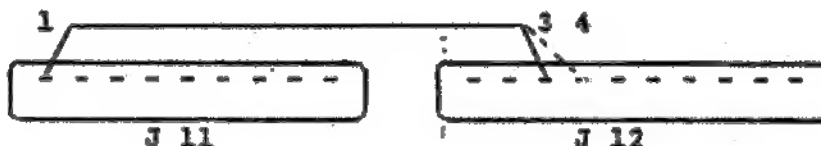
For saving a screen the normal syntax is 'SAVE flpl_filename,131072,32768' and loading is 'LOAD flpl_filename,131072'. The only reason I'm listing the numerical address is that I do get calls occasionally for the loading/saving screen address. For those of you who tend to forget the screen address, perhaps the following short-hand version of the address from the Italian Users Group (QITALY), will help:

'LOAD flpl_ (or mdvl_) filename,2'17' (^ is Shift/6)

For several years I had been using my TS 2068, 360K disk drives with the QL. Several years later I changed over to 720K and ED drives. Recently I had decided to move all of my files from 360K disks to 720K disks and then I ran into some problems. A 720K disk drive (5-1/4") should read a 360K disk. Most of my file transfers went along smoothly, however, I did get some 'bad medium' reports every once in a while. I did not want to hook up a 360K drive with a 720K drive (sometimes I tend to become lazy). Using Taskmaster, I transferred all files from 360K disk to RAM1_, then copied all of files from RAM1_ to a 720K disk without a problem.

I have several 'IBM Keyboard' interfaces for my QLs. All of the K/B interfaces are external, using ribbon cable from the MAB8049HP IC socket to a cased keyboard interface (SCHON and KB 99). The MAB 8049HP IC must be removed and installed onto a small interface which is installed into the MAB8049 socket. Removing this chip can sometimes give me a headache as the chip is very close to the front of the QL case. The remedy: Take a #6 finishing nail and using a hammer, flatten the point end on both sides of the nail. Place the flattened end of the nail into a vise and bend it at a right angle. Insert the formed IC puller under the forward end of the IC and lever it upwards. Now remove the device and insert it under the notched end of the IC and it will now be removed easily, without bent pins.

At times when repairing a QL, I must remove the K/B membrane tails from their respective sockets. When the repair is completed, I do not connect the keyboard membrane tails to the sockets for a check of the QL at power-up. I apply power to the QL and when the prompt appears on the screen to select F1 or F2 screens, I touch one end of a 6-inch length of wire (bared on both ends) to pin 1 on K/B connector J11 and the other end of the wire to pin 3 of K/B connector J12. This activates the F1 high-res screen. If all is well, I then connect the membrane keyboard to the connectors. If you use the low-res screen (F2), touch pin 4 instead of pin 3 of the J12 connector.



The last tip is: If you intend to purchase any goods from the UK, now is the time to do so. The £ is at an all time low. At the time of this writing, the £ is at \$1.42 US. Take advantage of this price break if you need anything from the UK.

See you next monthBob Gilder

MIRACLE in Newport '93

Due to circumstances beyond our control, the Miracle Systems Demonstration of their new QL products, originally slated to be held in NY, will NOW be held at the Salvation Army Headquarters located on Memorial Blvd., in Newport, Rhode Island. Bob Dyl of IQLR (QL international publication) will be sponsoring this event.

The showing will be held on June 5th, 1993 from 1PM through 6PM. Admission will be \$3.00 for advanced reservation or \$5.00 at the door.

Several other QL vendors will also be showing their wares:

- Frank Daves from Mechanical Affinity and Update Magazine will be showing software and hardware products.
- Bill Cable, software producer will be demonstrating QLERK.
- TF Services, UK will also have QL hardware and software for sale.
- Freddy Vachha of Digital Precision has indicated that he also would like to attend.

This get-together is a first for QL Vendors showing their products within the United States. LIST urges all serious QL users to attend this fest.

Newport, RI is a beautiful sea coast town, especially during the Spring season. Why not make it a family vacation at the same time?

Contact Bob Dyl for additional information at 15 Kilburn Court, Newport, RI 02840; by telephone, 10:00AM through 9:00 PM EST, 401-849-3805 and within the pages of the next issue of IQLR.



SIR OLIVE SINCLAIR TO LECTURE
AT L.I.S.T. MEETING? WILL, NOT
EXACTLY. IT WOULD HAVE BEEN VERY
PRESTIGES, RATHER INFLUENTIAL IN
THE TIMEX COMMUNITY AND THE
GREATEST EVENT IN U.S. TIMEX/
SINCLAIR HISTORY. BUT THE TRUTH
OF THE MATTER IS, I WANTED SOME-
THING OF A HEADLINE WHICH WOULD
RESET YOUR BRAIN, REFRESH YOUR
MEMORY, AND GIVE YOU DO CAUSE
TO SERIOUSLY READ THIS PUBLICA-
TION.
AS THIS IS THE APRIL ISSUE, I
THOUGHT IT ABOUT TIME TO INJECT
SOME HUMOR INTO THIS NEWSLETTER.
APRIL FOOLS GANG - FRED STERN...



INTERNATIONAL QL REPORT

The Definitive Information Source

Published by SeaCoast Services

AN OPEN INVITATION TO ALL QL/QDOS USERS

MIRACLE in NEWPORT

IQLR is sponsoring a QL get-together to be held in Newport, Rhode Island, USA on the 5th of June 1993. The festivities will be at the Salvation Army Building on Memorial Boulevard between the hours of 1300 and 1800 (1 pm to 6 pm EDT), after which, an optional DUTCH TREAT DINNER (you pay for your own meal) will be held at the Newport Beach Club.

Expected to attend and demonstrate their latest developments are *Stuart Honeyball of MIRACLE SYSTEMS*, *Frank Davis of MECHANICAL AFFINITY*, *Bill Cable of WIND & WOOD COMPUTING*, also planning to attend (not yet confirmed) are *Freddy Vachha of DIGITAL PRECISION*, *Tony Firshman of TF SERVICES*, and the outside possibility of *Dilwyn Jones of DILWYN JONES COMPUTING*.

There will be ample time for the demonstrations, time to browse the various tables (buy QL stuff), and to also include a question and answer period. We promise it won't be as rowdy as the Question and Answer sessions of the House of Commons.

Come and meet the people responsible for the continuing success of the QL/QDOS; renew old friendships, start new ones, but above all come and have a good old fashioned QL good time. Bring the whole family, Newport is famous for its family orientated activities, and there are plenty of accomodations within minutes of the show.

To pay for the costs incurred, it will be necessary to charge a modest admission fee; pre-registration is \$3.00 per person, at the door registration will be \$5.00 per person. All those in attendance will receive a name badge to help identify everybody.

ADDITIONAL INFORMATION IS AVAILABLE FROM: Bob Dyl at IQLR, or call 401-849-3805

15 Kilburn Court, Newport, Rhode Island 02840, USA



Amstrad 464/664/6128



Sinclair Spectrum

46/128+2/2A/+3

PRISM PD

13 Rodney Close
Bilton
Rushby
CV22 7HJ
England (UK)

Long Island Sinclair-Timex Users Group
C/O Harvey Rail
5 Port Ln
Valley Stream
NY
USA 11581

23 2 1993

Dear User Group

First of all let me introduce myself. My name is Martyn Sherwood, and I run what is fast becoming the leading British PD suppliers, and we are regularly advertised in the 'Your Sinclair' magazine.

Prism PD was set up 1 year ago, and we have a good following of regular customers and contacts. As you will see from the list supplied, we cater for all Spectrums and have an extensive range of titles on offer.

I have just read about the Timex-Sinclair computer in the new issue of 'Sinclair User', which gave your user groups address. I am very interested in finding out a little bit more on the US market for this machine. If there is a Spectrum emulator for the Timex in your group then perhaps it will be possible to arrange the swapping of software. & vice versa if you have an emulator for us Speccy owners to run Timex software. It was mentioned in Sinclair User, that the magazine's American contact, Bob Shade who runs a photography outfit in Philadelphia, uses a Spectrum emulator on his Timex, so I don't see why this principle cannot be reversed.

Prism PD is constantly in touch with the continental PD scene and receives new demos all the time from GERMANY, POLAND and other European countries and are proving VERY popular, some of which improve the Spectrum graphical. We also have a bi-monthly magazine exclusive to club members, so any info on the history of the Timex etc would be appreciated.

We look forward to hearing from you as Prism PD is determined to be at the front of an international PD exchange of software.

All the best for 93!

Martyn Sherwood

P.S. Sorry for the poor print quality but my new ink cartridge seems to be faulty.

PLEASE READ ME: £2 for any 12 titles. Send a tape (not the cassette case), m'drive cartridge, 3" disk, +D 3.5 disk, with your name on, inside a jiffy bag which can be re-used by us. Orders paid by cash / postal orders sent in 6-7 days, or allow bank clearance 7-10 days. Delays of 3 or more weeks, will be due to system failure - rare but possible! If your order weighs more than 100g then add 50p for P&P. Please note underlined titles need the multiface 3. Orders payable to MARTYN SHERWOOD.

Amstrad 484/664/6128



**Prism PD, 13 Rodney Close,
Bilton, Rugby CV22 7HU**

UTILITIES BUSINESS & EDUCATION: U1 Print daisywheel pacs, U2 User definable grids, U3 Print a LARGE poster, U4 Define a key routine, U5 Weekdays in 3 languages, U6 PD database - lacks SAVE/LOAD routine - (please help!), U7 Line renumber routine, U8 Border colours, U9 Paper/Ink/Graphics demo, U10 ATTR.No, U11 Invert text effect, U12 Use your own art loading screens, U13 Fun security system, U14 Scroller text effect, U15 Vary your INPUT position, U16 Hexlist, U17 Data Move (Microdrive), U18 Posh CLS, U19 Screen flash, U20 Peek, U21 Dec-hex, U22 Large text, U23 Menu, U24 Drop shadow text effect, U25 Poke, U26 High score table, U27 Phone book, U28 Character set designer, U29 m/c Break, U30 Printer toolkit, U31 Cashflow accounts prog', U32 (withdrawn, will replace with a WP soon), U33 Recover erased +D files, U34 8yr Cal, U35 Perspective text effects, U36 Reflect text effects, U37 Graftix util, U38 Font 1, U39 Font 2, U40 to U43 = Scroll up, Scroll down, Scroll left, Scroll right, U44 CAT tape files, U45 Disable the break key - 48K only, U46 64 printer aide, U47 Hide the screen display, U48 See hidden messages in games, U49 Zoom the screen for editing, U50 Check on free memory, U51 48K keyboard buffer, U52 Read kempston joystick ports - 48K only, U53 Utilise 128K screen animation, U54 Demo - needs U53, U55 Downtown, U56 ASCII edit, U57 Day convert, U58 Union Jack demo, U59 Tune maker, U60 Music flash, U61 Soundz, U62 Minstrel music maker, U63 Minstrel 1, U64 Minstrel demo - needs minstrel 1, U71 Sound sampler, U72 Vet prog', U73 Accounts prog', U74 48K Toolkit, U75 Disassembler, U76 Hexloader, U77 Icons patterns & fonts, U78 Metric conversion, U80 Word spin, U81 Pattern show, U82 Fake NEW, U83 Unusual CLS, U84 Change the editor colours, U85 Print inlay cards, U86 Use pokes on the +D, U87 48K Data typer - 48K only, U88 +D Gauntlet 2 utility, U89 Maths equation solver, U90 Rotate & silent screens, U91 +D system clock, U92 Spelling aid, U93 Test your morse code, U94 48K Soundsystem, U95 Morse code teacher, U96 Screen magnifier, U97 Find any day in the 20thC, U98 Notebook, U99 2A +3 printer utility, U100 48 & +2 printer utility, U101 Comms prog' 1 for VT5500, U102 Comms 2, U103 +D snap menu screen, U104 +D adult jokes, U105 File copy/rename, U106 Turbo tools for programmers, U107 The Sprag - Various commands (extensive), U108 ASCII viewer, U109 Extensive font editor, U110 Normal or headerless file viewer, U111 128 DTP fixer for the grey +2 - abort printing without losing text files, U112 Multidump 1, U113 Multidump 3, U114 Mousedraw routine, U115 Onerror - trap errors, U116 Catram 128, U117 ATTR 128, U118 PFN print system, U119 Election stats, U120 Rem-maker, U121 Dubtex, U122 Typeliner double fonts, U123 Typeliner graphic alphabets, U124 Headliner bug fix, U125 Deco fonts pack 1 - for typeliner, U126 Deco fonts 2, U127 Gamesaid - grid to design icons etc, U128 Continus routine, U129 Centre text routine, U130 Mouse routine, U131 BASIC scroller, U132 Custom 48K NEW, U133 TASPEEK 2 - Tarword file previewer, U134 Spreadsheet, U135 File Organiser, U136 Renumber PPD, U137 Alpha data sort, U138 Inlay card design 3.7, U139 GEstate - history of elections 1950-92, U140 DEVAL - remove hindering VAL statements, U141 Make REMS of any size, U142 MENU 2 - new menus ROM style, U143 Streams - streams menu style, U144 DUBTEX - mix double height & normal text in a print statement, U145 BAScan - search basic listings for keywords & variable names etc & print them, U146 Clear-all - remove files in Wordmaster in one go - brill!, U147 "CP/M3" SPECIAL +3 COMPILATION PACK - includes drive a: formatter to 203K - 32 progs + CP/M utils as well! Send £2 + disk, U148 HEADREAD - tape header reader, U149 FILECOMPRESSOR (NOT +3), U150 48K Copier (NOT +3), U151 Screen compressor, U152 128K file copier, U153 MAD 2 MONITOR (NOT +3), U154 Edit Sampler - demo file (NOT +3), U155 Genius Mouse Tester (+3 only), U156 Histogram charts (+3 only), U157 Line Graph charts (+3 only), U158 +3 disk editor, formatter, etc.



Example of digitized TV picture:
Christine (Neighbours)

SPECIAL ART PACKS, NOT 3"disk

1. Dear John, 2. Star Trek, 3. Cheers, 4. Cagney & Lacey, 5. Shakespears Sister, 6. Bananarama, 7. Duran Duran, 8. Ultravox, 9. Neighbours, 10. Eastenders, 11. Pet Shop Boys

SPECTRUM SHAREWARE

SW1 - MULTISTORE - store 7K in your multiface
SW2 PAGE SYSTEM WORD PROCESSOR - also acts as a database.

PROGRAMMERS NEEDED!

PRISM PD! - INCORPORATING TOTAL PD!

GAMES

Priem PD is constantly on the look-out for m/c programmers to contribute to our library, and our magazine. Why not release commercial software through us?

ART PACKS: NOT +3 DISK

1 Spectrums / Hardware, 2 Office & Business, 3 Sports, 4 People, 5 Frames & Borders, 6 TV Celebrities, 7 Party Time, 8 Music, 9 Transport, 10 Announcements, Cadabra 1, 2, 3, (3 titles of ported IBM graphics.

G1 - Nelly 128 - Catch the falling Elephants - / G2 Batball - An addictive 1 or 2 player game / G3 - DT's L&R - Try and get the highest score / G4 - Alienatta - Defend your ship against the aliens / G5 - Cacapture - Excellent 2 player strategy game / G6 - Brickbat - Colourfull - test your reflexes! / G7 Magicore - A game that uses logic - are you up to it? / G8 MartianKO - Left, right, aim - and blast away / G9 SincCS - Run over the pedestrians in your CSI / G10 - Skittles - How many can you knock down? / G11 - Cypher - Great PD version of the Mastermind game / G12 - Voyager - A blast of a PD game / G13 - Nelly - 48K version of the classic arcade game / G14 - Manblitz - Bomb the Manhattan skyline / G15 - Frogger - Very colourfull and quick version of a classic / G16 - Galaxydef - PD Space Invaders on your Spectrum / G17 - Basiching - Play Bingo to win! / G18 - Invaders - A great game in true Invaders style / G19 - Fishing - It was this long.....!! / G20 - Minefield - Rescue the soldiers - watch out for the mines! / G21 - Spotlight - Avoid being seen at all costs / G22 - German - A German spelling game - good fun! / G23 - French - Another spelling game / G24 - Rider - Jump the buses like Evil Kenievall / G25 - Magic Square - A sliding puzzle game.....delight / G26 - Solitaire - Computer version of the board game / G27 - House - Dare you enter? / G28 Globular Troubles - our best game - commercial standard! / G29 Maze - can you escape? / G30 Mission Collision - great space blaster

video digitizing

Digitize your loved ones! Send a colour photograph (landscape format). Alternatively, using a video digitizer, we can save pictures directly from a video cassette (VHS). Indicate if you want the pictures saved on tape or disk or printed out. £5

We can also scan artwork, text etc. £3 per scan.

Desk Top Publishing, letterheads, logos, business cards. £8 per layout + print.

GAME POSTERS

We can supply posters depicting your favourite game. £2.99 each.

SAE for our i.a.t. There are 40 to choose from, on glossy A4 paper.

Price includes P&P! New posters can be arranged

TERMINATOR 2



Posters exclusive to club members

GRAPHIC AND MUSIC DEMOS (*) = +3 users load via tape/+D

D1 Madonna, D2 Adamski, D3 Technetronic, D4 Turkey, D5 Weird, D6 Grand Prix, D7 Pepperami (*), D8 Axel F (*), D9 MQM, D10 Shock-Megademo, D11 Grefix 1 (*), D12 Spectec 3 (*), D13 Court 2, D14 PetShop Boys, D15 Bart Simpson 1 (*), D16 3D Show, D17 Nightfire (*), D18 Vectors, D19 Lyril II (*), D20 Vidi ZX Party (*), D21 Song in Lines 5 (*), D22 Quinquagesima, D23 128K Only Screen (*), D24 Scrolly Star (*), D25 Demos, D26 Scanner, D27 wicked, D28 Megademo (*), D29 Red Sector (*), D30 Nanodemo, D31 Signal 3 (*), D32 Hypersonic 2 Preview (*), D33 EEL, D34 Ghaza 1, D35 Slideshow (NOT +3), D36 Overcan (NOT +3), D37 Hypersonic 48K (*), D38 Prisoner, D39 Zaphod 2 (NOT +3), D40 NMI 1 (*), D41 NMI 2 (*), D42 CIR demo, D43 NMI 3 (*), D44 NMI 3 NOTE (*), D45 Medhouse (NOT+3), D46 Spirits, D47 LSD (NOT+3), D48 Hypersonic 2 (*), D49 MQM 2, D50 Madness Remix, D51 TerniMADor (over 18's only), D52 CD Demo, D53 Interlace, D54 Crazy Demo, D55 Voyager Demo (*), D56 Border Scroll (*), D57 Rave Demo (+D ONLY),

EXAMPLE OF OUR CLIP ART!



Join our club for £3.50 for 1 yrs membership and receive our club magazine for £1.50 per issue. It contains help on m/c, basic, a techie page, programming in 'C', discounts on our software, technical problems solved, pokes, tips, type-ins, news from the world of PD, reviews on PD & commercial software + hardware. "EVERY FANZINE YOU'LL EVER NEED!"



DOCTOR DARK
C/O VENTURESOFT
16 MONTGOMERY AVENUE,
BELTH, Ayrshire
SCOTLAND KA15 1EL

Dear Unknown Friend,

I am from Scotland, in the UK and I recently read about the 'TIMEX SINCLAIR TS 2068' in a favourite magazine of mine called 'SINCLAIR USER'. Unfortunately, I know absolutely nothing about this machine although I understand that it can load and run Spectrum software using a Spectrum emulator. I own a Spectrum 128K42A and a couple of the other Sinclair machines (4A SAM LOUPE) and I was wondering if anybody would like to swap any software with me. I have hundreds of games, i.e. adventures, puzzle games, fighting games, strategy games, simulators, arcade adventures, platform games and all sorts of other exciting and entertaining software. I have also got lots of utilities & Public Domain software, and I also run my own tape magazines and software house. I understand that your software

might not work on our machines over here but I'm sure you know someone that can provide me with a TIMEX emulator. If not I'm sure I'll find some way of loading it. I would also like you to put me in touch with other User Groups & Fanzines/Tapezines etc. What I would like to really get my hands on though, is a 'TIMEX SINCLAIR'. I'm willing to swap my Spectrum for one and I'm also willing to put in some software as well! Maybe someone would sell me their TIMEX SINCLAIR (or lend me one?) so that I can find out a lot more about it. Anyway it's been a pleasure writing to you and hopefully my wants will be fulfilled.

BYE FOR NOW!

Yours Darkly
Doctor Dark

P.S. Adventurer constants especially wanted!



THIS MACHINE code Re-number routine will re-number a program in steps of 10 from line 1 to 9999. Line 9999 must be included or the program will crash. Type-in the re-number program and RUN. The 38-character REM statement will then contain the machine code and lines 10 to 40 can be deleted.

Then you can type-in your program, not forgetting to put in line 9999 as the last number. Any time you want to re-number, type-in as a direct command PRINT USR 16514.

The routine for the ZX-81 was sent in by J. Stephenson of Bolton.

A similar program for the Spec-

trum makes use of the Spectrum MERGE command. The program to be re-numbered is LOADED first and then the re-number program is merged with it. The program to be re-numbered must have a starting number of more than 10 before the routine is merged with it.

When the re-number is set up all you have to do is run it. You will be asked to enter the start line you want and the required increment. When it has finished re-numbering, the program will STOP.

The program, submitted by W J Sleen, of Halesowen, West Midlands, will not re-number GOTOs or GOSUBs.

ZX81

```
1 REM 12345678901234567890123
456789012345678
10 LET A$="217D40110A0045234E2
03E278820043E8D89C8722373234E234
62300073E0A503001145F18E0"
20 FOR A=0 TO 37
30 POKE 16514+A,16*CODE A$(A*2
+1)+CODE A$(A*2+2)-476
40 NEXT A
```

SPECTRUM

```
1 INPUT "start line and inc
rement 7 " : SL, IN: LET A=PEEK
23635+255*PEEK 23635
2 IF (255*PEEK A+PEEK (A+1)) =
SL THEN GO TO 4
3 LET A=A+4+PEEK (A+2)+255*PE
EK (A+3): GO TO 2
4 LET A=A+4+PEEK (A+2)+255*PE
EK (A+3): LET SL=SL+IN
5 IF A=(PEEK 23627+255*PEEK
23626) THEN STOP
6 POKE A,INT (SL/255): POKE (
A+1),SL-INT (SL/255): GO TO 4
```

RE-NUMBER